

## EAST Search History

| Ref # | Hits   | Search Query  | DBs                                      | Default Operator | Plurals | Time Stamp          |
|-------|--------|---|--|------------------|---------|---------------------|
| L17   | 4      | 15 and 10   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/04/28<br>11:36 |
| L16   | 4      | driv\$3 same natural same<br>resonan\$3 same frequenc<br>\$3 same blade same clean<br>\$3 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/04/28<br>11:36 |
| L15   | 60     | driv\$3 same natural same<br>resonan\$3 same frequenc<br>\$3 same blade                   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/04/28<br>11:35 |
| L14   | 3252   | driv\$3 same natural same<br>resonan\$3 same frequenc<br>\$3                              | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/04/28<br>11:35 |
| L13   | 6      | (clean\$3 and vibrat\$3<br>and resonan\$3 and imag<br>\$4 and frequen\$4).clm.            | US-PGPUB;<br>USPAT                       | OR               | ON      | 2008/04/28<br>11:28 |
| L12   | 10     | (clean\$3 and vibrat\$3<br>and blade and imag\$4<br>and frequen\$4).clm.                  | US-PGPUB;<br>USPAT                       | OR               | ON      | 2008/04/28<br>11:26 |
| L11   | 116    | L10 and 9   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/04/28<br>10:58 |
| L10   | 332640 | "399"/\$.ccls. g03g\$.ipc.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/04/28<br>10:58 |
| L9    | 214    | blade same clean\$3 same<br>vibrat\$3 same frequen\$4                                     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/04/28<br>10:57 |
| L8    | 2479   | (399/350,351,71).ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2008/04/28<br>10:43 |
| S83   | 0      | 5-188832  | DERWENT                                  | OR               | ON      | 2008/04/24<br>14:25 |
| S82   | 1      | "5188832"   | DERWENT                                  | OR               | ON      | 2008/04/24<br>14:25 |
| S81   | 0      | "050188832"   | DERWENT                                  | OR               | ON      | 2008/04/24<br>14:25 |
| S80   | 0      | "05188832"  | DERWENT                                  | OR               | ON      | 2008/04/24<br>14:25 |

|     |        |   |                                    |    |    |                  |
|-----|--------|---|------------------------------------|----|----|------------------|
| S79 | 42     | ("20030039494"   "20040105710"   "4677845"   "4772253"   "4847631"   "5051760"   "5235384"   "5255059"   "5260754"   "5464200"   "5482265"   "5493365"   "5502552"   "5598254"   "5606408"   "5619316"   "5638159"   "5715500"   "5740494"   "5765087"   "5818482"   "5842102"   "5937228"   "5999773"   "6034792"   "6236820"   "6295435"   "6345170"   "6366751"   "6381435"   "6400917"   "6400918"   "6466754"   "6470169"   "6560419"   "6580887"   "6625409"   "6654579"   "6669189"   "6681096"   "6697588"   "6721523").PN. | US-PGPUB; USPAT                    | OR | ON | 2008/04/24 13:44 |
| S78 | 69     | S77 and (piezo piezoelectri\$3) with (oscillat\$4 puls\$4 vibrat\$3)  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 13:39 |
| S77 | 1044   | S75 and S76   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 13:38 |
| S76 | 332640 | "399"/\$.ccls. g03g\$.ipc.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 13:38 |
| S75 | 3838   | (oscillat\$4 puls\$3 vibrat\$3) with (member blade) same (cleaning cleaner clean)   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 13:37 |
| S74 | 145911 | (oscillat\$4 puls\$3 vibrat\$3) with (member blade)   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 13:37 |
| S73 | 2479   | (399/350,351,71).ccls.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2008/04/24 13:36 |

4/ 28/ 2008 12:34:24 PM

C:\ Documents and Settings\rwalsh\ My Documents\ EAST\ Workspaces\ 10817249.wsp